**Problem Statement – 1**

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Write a program that takes 5 integer command line arguments. Create a user defined Exception named CheckArgumentException to check the number of arguments  passed through command line. If the number of arguments is less than five, throw the CheckArgumentException, else print the addition of all five numbers.

Definition of Done:

DOD 1:Create a user-defined exception by the name CheckArgumentException

DOD 2:Ask the user to enter the number of arguments

DOD 3:Use for loop to enter the arguments

DOD 4:Calculate the sum of the values entered

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 \* practical\_8\_problem\_statement\_1

 \*/

class CheckArgumentException extends Exception {

}

public class practical\_8\_problem\_statement\_1 {

    public static void main(String[] args) {

        int sum = 0;

        if (args.length < 5) {

            try {

                throw new CheckArgumentException();

            } catch (CheckArgumentException e) {

                System.out.println("Exception: " + e);

            }

        } else {

            for (int i = 0; i < args.length; i++) {

                sum = sum + Integer.parseInt(args[i]);

            }

            System.out.println("Sum is: " + sum);

        }

    }

}

**Output:**

Text, letter

Description automatically generated

**Problem Statement – 2**

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Create a class with a main() method that throws an object of class Exception inside a try block. Give the constructor for Exception a String argument. Catch the exception inside a catch clause and print the String argument. Add a finally clause and print a message to prove you were there.

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 \* practical\_8\_problem\_statement\_2

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public class practical\_8\_problem\_statement\_2 {

    public static void main(String[] args) {

        try {

            String argument = "Practical 8 Problem Statement 2";

            throw new Exception(argument);

        } catch (Exception e) {

            System.out.println(e.getMessage());

        } finally {

            System.out.println("Final Block");

        }

    }

}

**Output:**

Text, letter

Description automatically generated